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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/762,486 | 01/23/2004 | Beniz Wang | TAIW 209 | 4928 |

7590 07/28/2005

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EXAMINER

WRIGHT, INGRID D

ART UNIT PAPER NUMBER

2835

DATE MAILED: 07/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/762,486

Applicant(s)

WANG ET AL.

Examiner

Ingrid Wright

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 23 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 January 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Objections

Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the Liquid Crystal Display Device must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Choi (US PN 6839228 B2) in view of Hogdahl (US PN 5329427).

With respect to claim, Choi teaches (Fig. 6) a notebook computer (10), comprising: a bottom member (13) having a housing compartment for holding electronic elements; and a top member (11) for mating and covering the bottom member (13) being coupled with the bottom member (13); wherein the bottom member (13) is a standardized member, the top member (11) can be formed with varying styles to couple with the bottom member (13) to form a notebook computer (10) host of a new style.

Choi, is silent as to how the bottom member is connected to the top member (11).

Hogdahl teaches (Fig. 5A) a plurality of fasteners (107,109,111) disposed through apertures (82-92,94,96,98,100-104) to secure LCD display (60) a mounting

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ring (58) mounting ring (58) and a pivotal attachment of LCD display (60) with a detachable workslate (12) with hinge support members (Column 10, Lines 19-28).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the fasteners as taught by Hogdahl to couple the top member with the bottom member of Choi, in order to firmly secure the frame of the housing.

With respect to claim 2, Choi teaches (Fig. 6) the bottom member (13), which is a case and having an opening direct upwards, at location of element 15.

With respect to claim 3, Choi teaches (Fig. 6) electronic elements including a main board (20), a central processor (not labeled), a plurality of memories (23) plurality of connectors (21) and a hard disk drive (51).

Although, Choi does not teach an optical disk drive, a radiation fan and a battery specifically, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include these peripheral devices because they are well known in the art. An optical disk drive is a well known alternate form of expanding the capabilities of the device. Fans are typically used to cool components in computing systems and batteries are necessary in order for the device to operate in a stand alone capacity.

With respect to claim 4, Choi teaches (Fig. 6) the top member (11) having a plurality of varying size openings such as 161, 25 and unlabeled far wall requiring opening corresponding to element (25). Additional openings along back wall of the top case would also be necessary for access to the connectors mounted therein. With respect to the specific size and shape of the connectors, it would have been obvious to one of ordinary skill in the art to provide openings of a size and shape necessary to allow access to the devices housed therein.

With respect to claim 5, Choi teaches (Fig. 1) a top member (11) having a pivot seat (See for example, Fig. 1) to allow a display device (30) to be coupled thereon in a turnable manner.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: Kim et al. (US 2005/0057894 A1), Lin (US PN 6717818 B1), Lin et al. (US PN 6587350 B1), Huang (US 2005/0041390 A1), Chen (US PN 6385042 B1), Lin et al. (US PN 6752587 B2), Wang et al. (US 2005/0047070 A1), Chang et al. (US PN 5906506), Barrus et al. (US PN 6246575 B1), Lin (US PN 6705891 B1), Kikinis (US PN 5539616), Kikinis (US PN 5640302) & Barrus et al. (US PN 5768100) show the general state of the art regarding modular peripherals in notebook computer structures.

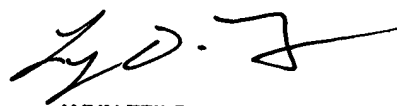
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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ingrid Wright whose telephone number is (571) 272-8392. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lynn Feild can be reached on (571) 272-2800, ext 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

7/25/05
IDW


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